

1. Q: Section 02456 Steel Hpiles, Para 3.1.1, Pile Driving, requires that a new pile cushion shall be used at the start of driving for each pile...” Is this a spec that should be used for precast concrete pile? The helmet for driving steel hpile has a configuration that is cast into it for driving hpile that keeps the helmet aligned directly on top of the pile. The piling equipment supplier that I talked to said that he has never seen this done before on steel hpile and felt that it would be dangerous because only a few blows would tend to chop the plywood or other material into falling pieces from the pile helmet.

[A: A cushion for H-piles sits on top of the helmet. The equipment description must be submitted for Government approval as stated in Section 2456, para. 1.3.](#)

2. Q: Concerning Section 02466 – Drilled Foundation Piers, Para. 2.1.3 – Reinforcing Steel states that rebar shall conform to ASTM A 615 Grade 60 and also that the steel shall be welded into cages. I am not familiar with welding the reinforcing since all of our past work involving drilled shafts used the conventional tied rebar cages. In reviewing FHWA’s publication “Drilled Shafts: Construction Procedures and Design Methods” the chapter on rebar cages states that the steel usually available is ASTM A615 and that it is not weldable. Where welding is required, a weldable steel ASTM A 706 should be specified, but availability of this material is often limited. Is it the intention to have weldable rebar which requires a different material than specified or may the material specified be used and tied into cages?

[A: See Amendment 4.](#)

3. Q: Section 2100-1.2.1.1 says the Railroad will remove ties and track on B21. Will they remove the walkway, planking and handrails prior to removing the ties?

[A: Responsibilities of the Railroad are listed in Section 2100, para. 1.1.1. Also, refer to the Railroad-Government agreements which were included with Amendment 3 and Section 2100, para. 1.2.1, regarding coordination.](#)

4. Q: Along with above question, will the railroad remove the ballast rock on bridge B20 and on top of subgrade that will be excavated. If not, will it be acceptable to mix this rock in with the railroad embankment?

[A: See above response for responsibilities. Reference to Section 2221, para. 2.1.1 for satisfactory materials.](#)

5. Q: Regarding Section 1600-1.3.2 and 3.2, is the contractor free to determine the method of air monitoring as long as it complies with EM 385-1-1 and is approved by the CIH?

A: Refer to last sentence of para 3.1.1, Section 1600,

6. Q: Besides the bridge work areas, will fill areas (D,E2,G) also be required to have temporary fencing per Section 1500-1.6? Also, is it possible that equipment required under 1500-1.4 (such as scheduling software) can be used mutually by the contractor and Government?

A: Temporary safety fencing is required at the work sites. As stated in previous Q&A, fill area "G" is anticipated to have the most capacity. The equipment listed is for Government usage only.

7. Q: Due to difficulty in locating 11 gauge walkway grating, would other alternates be acceptable, such as 12 gauge (Section 5500-2.2)?

A: The advertised plans have been approved by the Railroad. Bid the item as specified. However, the contractor may submit an alternate through the Contracting Officer for Railroad's review.

8. Q: Section 2100-1.1.1 mentions the agreement with the UPRR. Do these same requirements apply while working near the BNSF track (will we be able to work within BNSF hot zone without flaggers, and is the cost of BNSF protective services covered under bid item 3)?

A: Refer to Section 2100, para. 1.1.4.

9. Q: How big an area from the tracks is the minimum clear distance noted in Section 1100-1.15a (25' from edge of rail)?

A: Contractor is responsible for permits and right of entry requirements as stated in Section 1100, para. 1.15. Refer to the agreements included in Amendment 3.

10. Q: Is railroad insurance (2100-1.1.2f) included in bid item 3, or should the cost be placed elsewhere?

A: Railroad insurance requirement is discussed in Section 1100. Direct payment is not specified.

11. Q: Section 2221-1.4 and 3.3 show that shoring and cofferdam designs must be submitted. Are there any other restrictions for the design or setup besides that it must be designed and stamped by a Missouri PE?

A: The requirements are specified.

12. Q: Is it possible to get a list of COE approved non-destructive testing companies for Fracture Critical Members (Sht S-21, Note 10)?

A: No other information is available.

13. Q: Is hand placement of riprap required under the existing spans (between existing bent 7, 8, and 9) of bridge B21B and B21C (Sht S-32 & S-48)?

A: Refer to Section 2229, para 3.2, for riprap placement requirements.

14. Q: The cost of temporary shoring and cofferdams is subsidiary to which bid item (2221-3.3)?

A: No direct payment is made for this work. Contractor shall select the most appropriate bid item and document.